Floods Caused by Tropical Systems: Rivanna River at Palmyra

Latitude: 37.858 Flood Stage: 17 ft Period of Record: 1934-Present Last Flood: 4/20/2015

Number of Floods: 116

Longitude: -78.266

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/20/1969	39.85	86,000	Remnants of Hurricane Camille produced 12-20 inches of rainfall. In Virginia, most of the rainfall occurred in a 3-5 hour period and caused several record-setting floods.
6/22/1972	37.34	73,400	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.
10/16/1942	36.50	78,000	The remnants of the eighth tropical storm of the year produced torrential rains and caused the worst river flooding in the history of Virginia.
9/7/1996	31.54	50,900	Hurricane Fran produced up to 16 inches of rain in the western part of Virginia and up to 7 inches in the Juniata Basin in Pennsylvania. Fran was the worst flood even to hit Maryland since Hurricane Hazel and the January 1996 Flood.
8/19/1955	29.00	34,800	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
9/9/1987	26.65	32,200	Tropical Depression Nine merged with a cold front to produce over 5inches of rain in Virginia and 3-7 inches of rain in Pennsylvania.
11/5/1985	26.53	31,800	Hurricane Juan produced more than 1 inch of rain in VA with more than 7 inches reported in higher elevations. A coastal low pressure system produced an additional 1-7 inches of rain and caused widespread major flooding in Virginia and Maryland.
9/6/1935	26.27	29,000	The "Labor Day Hurricane" dumped heavy rain along the East Coast. A total of 16.62 inches of rain was reported in Easton and 12.1 inches of rain was reported in Salisbury, MD.

Drainage Area: 663 sq mi Gage Datum: 210.39 ft MSL

Tropical information before 1940 is limited. James Basin

County of Gage: Fluvanna County of Forecast Point: Fluvanna

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Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/19/2003	25.91	30,000	Hurricane Isabel combined with another system and produced more than 3 inches of rain in VA with locally heavier amounts of 10 inches. Another low pressure system moved through the region and produced a few additional inches of rain.
9/6/1979	25.50	25,800	Hurricane David dumped 3-7 inches of rainfall across Virginia, Maryland and Pennsylvania.
9/26/1975	23.46	20,300	The remnants of Hurricane Eloise combined with a cold front and produced very heavy rainfall in the Mid-Atlantic. Washington, D.C. reported 9.08" of rainfall. Total damage for Virginia was estimated to be \$17.2 million.
8/17/1940	21.78	16,300	As a strong Category 1 storm, the Southeast Hurricane produced over 1 inches of rain just south of our basins and caused widespread flooding across Virginia.
7/3/2003	21.32	17,687	The remnants of Tropical Storm Bill collided with a frontal system and produced over an inch of rain across most of Virginia and Maryland. Some locations in Central Virginia reported storm totals of 3 to 5 inches.
10/1/1959	20.41	15,700	Hurricane Gracie produced 3 inches of rain across Virginia with locally heavier amounts. 13.2 inches of rainfall was reported in Big Meadows, VA.
8/19/1985	19.57	12,900	The remnants of Hurricane Danny brought heavy rain to parts of the Mid-Atlantic region. Most of Virginia had at least one inch of rain with locally higher amounts of 7 inches. Minor flooding occurred in the James and Appomattox Basins.
9/29/2004	18.39	12,600	Hurricane Jeanne stalled a cold front and supplied the front with much-needed moisture. As a result, 1-day rainfall totals ranged from 1 - 6 inches throughout the Mid-Atlantic region.
9/9/2004	17.98	12,200	The remnants of Hurricane Frances combined with a low pressure system and produced heavy rain throughout the Mid-Atlantic. Rainfall totals ranged from 2 - 3 inches in New Jersey to 2.5 - 6 inches in Central Pennsylvania.

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Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
2/4/1952	17.38	11,000	The Groundhog's Day extratropical storm produced over 1 inch of rainfall and caused minor flooding in the James Basin.

Drainage Area: 663 sq mi Gage Datum: 210.39 ft MSL County of Gage: Fluvanna

County of Forecast Point: Fluvanna